AW	WA Free Water Audit	Software:			AS v5.0
	Reporting Worksh	eet		American Water Woo Copyright © 2014, All Pa	M Association and Reserved
Click to access definition Water Audit Report for: Cit Reporting Year:	ty of Lompoc Water Division - 2020 1/2020 - 12/2020		CA4210006A)		
Please enter data in the white cells below. Where available, metered values should input data by grading each component (n/a or 1-10) using the drop-down list to the				in the accuracy of the	
All vo	olumes to be entered as: ACR	E-FEET PER YEAR			
To select the correct data grading for each input, det the utility meets or exceeds all criteria for th	termine the highest grade where	THE STATE OF	Martin Malana de C		
WATER SUPPLIED		ng in column 'E' and 'J'	Master Meter and Sup> Pcnt:	Value:	nts
Volume from own sources:	5 4,103.38	30 acre-ft/yr	3 0.00% • 0	, J	acre-ft/yr
Water imported:			• 0		acre-ft/yr
Water exported:	0.00 n/a	00 acre-ft/yr	Enter negative % or v	alue for under-regis	acre-ft/yr
WATER SUPPLIED:	4,103.38	acre-ft/yr	Enter positive % or va		
AUTHORIZED CONSUMPTION		1 34 -1 -1		Click here:	
Billed metered:				or help using option	
Billed unmetered: Unbilled metered: Unbilled metered:		_	Pont:	outtons below Value:	
Unbilled unmetered:	Married of Concession of Conce		Pont.	4.010	acre-ft/yr
		<u> </u>	<u> </u>		judio ioji
AUTHORIZED CONSUMPTION:	3,718.68	0 acre-ft/yr		Use buttons to select percentage of water supplied OR	
WATER LOSSES (Water Supplied - Authorized Consumption)	384.70	0		value	
Apparent Losses	304.70	0 acre-ft/yr	Dont.	Malian	
Unauthorized consumption:	10.25	8 acre-ft/yr	Pcnt:	Value:	acre-ft/yr
Default option selected for unauthorized consum			0.2070		idoro ibyi
Customer metering inaccuracies:		7 acre-ft/vr	0.50% O		acre-ft/yr
Systematic data handling errors:		7 acre-ft/yr	0.25% 📵 🔾		acre-ft/yr
Default option selected for Systematic data ha			red		
Apparent Losses:	38.21	2 acre-ft/yr			
Poel Longon (Current Annual Poel Longon or CAPI)					- 4
Real Losses (Current Annual Real Losses or CARL) Real Losses = Water Losses - Apparent Losses:	346.48	8 acre-ft/yr			
WATER LOSSES:	384.70	0 acre-ft/yr			
NON-REVENUE WATER:	388.710	0 acre-ft/yr			
= Water Losses + Unbilled Metered + Unbilled Unmetered					24.
SYSTEM DATA					
Length of mains:	9 140.				
Number of <u>active AND inactive</u> service connections: Service connection density:	9,79	8 conn./mile main			
		oj comismie main			- 1
Are customer meters typically located at the curbstop or property line? Average length of customer service line:	Ye	- (rengui or service i	ine, beyond the property		
Average length of customer service line has been set to			he responsibility of the utility)		
Average operating pressure:) psi			The will
	6180 Harris V 411				
COST DATA					4 1 4
Total annual cost of operating water system:	10 \$9,412,515	5 \$/Year			
Customer retail unit cost (applied to Apparent Losses):					100
Variable production cost (applied to Real Losses):	\$246.75	5 \$/acre-ft □ Use Cu	stomer Retail Unit Cost to value	real losses	
WATER AUDIT DATA VALIDITY SCORE:					4
*** YC	OUR SCORE IS: 60 out of 100	k#x	Maria de la compansión de		
A weighted scale for the components of consumption	n and water loss is included in the o	alculation of the Water Audit I	Data Validity Score	- (2) T 1 E E	
PRIORITY AREAS FOR ATTENTION:					
	the fellowing comment				8 1,11
Based on the information provided, audit accuracy can be improved by addressing t	ine iollowing components:				4757
1: Volume from own sources					1 - V
2: Customer metering inaccuracies					157.1-
3: Customer retail unit cost (applied to Apparent Losses)					15

Water Audit Level 1 Validation- Validator Review & Certification Statement

Water System(s) This Audit Covers:

Public Water System Identification (PWSID)1: CA 4210006A Water System Name City of Lompoc - Groundwater System

With permanent two-way interties, list those additional PWSIDs in the **Notes** below and describe the water distribution system(s) configuration. **Notes (Provided to Validator by Water System)**: List only 1 PWSID which should match the PWSID on the FWAS Instructions Tab. For Special cases where the audit covers multiple water systems connected

Audit Period:

Validation Date: 12/16/2021

Water System Representatives: Shaun Ryan

Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement: I certify this meets the requirements of 23 CCR 638.5 (b)(4)(A-C).

Key Audit Metrics:

Data Validity Score: 60 Data Validity Band (Level): Band III (51-70)

Non-revenue water as percent of cost of operating system: $2.3\,$

ILI 1.26

Real Loss: 31.57 (gal/conn/day)

Apparent Loss: 3.5 (gal/conn/day)

Cerification Statement by Validator:

the California Water Code Section 10608.34 This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. $oxedsymbol{arepsilon}$

If not, rejected recommendations are included here:

Validator Information:

Water Audit Validator: Larry L. & Will Jernigan Valio

Validator Qualifications: Water Audit Validator Certificate issued by the CA-NV Section of the AWWA

Water Audit Level 1 Validation- Water System Certification Statement

Water System(s) This Audit Covers:

Public Water System Identification (PWSID)1: CA 4210006A Water System Name City of Lompoc - Groundwater System

connected with permanent two-way interties, list those additional PWSIDs in the Notes below and describe the water distribution system(s) configuration. List only 1 PWSID which should match the PWSID on the FWAS Instructions Tab. For Special cases where the audit covers multiple water systems

Water Audit & Water Loss Improvement Steps:

1. Steps Taken: Water System to identify steps taken in the preceding 3 years to increase data validity, reduce real loss, and reduce apparent loss as informed by the annual validated water audit:

Predictive bench testing and calibration annually on at least 1% of customer meters. Upgrading 60W ERT to 100 W ERT allow

address these issues. If you already know what steps you plan to take, you may list them here. If not, please prepare a response within 90 days costs (issues for which your audit will not meet code requirements), you will be asked what steps you are planning in the coming year to 2. Planned Steps (OPTIONAL): If your audit reflects negative real losses or the cost of non-revenue water is greater than 100% of the operating (23 CCR Section 638.6(a)).

Certification Statement by Utility Executive

Audit and Loss Control Programs, Manual M36, Fourth Edition and in the Free Water Audit Software version 5. 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, Water This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section

Executive Name (Print)

Shaun Ryan

Executive Position

Water Superintendent

Signature

Date

1/14/2022